After Sales Technical Documentation

THX–4 Series Transceiver

Chapter 1

FOREWORD

Original, 09/94

CHAPTER 1 – FOREWORD

CONTENTS

	Page No
Introduction	1–3
Service Manual Structure	1–3
Company Policy	1–4
Warnings and Cautions	1–4

Introduction

Service Manual Structure

The service manual is structured as a series of stand–alone booklets which can be ordered on an as–required basis. The 'core' service manual consists of the following:

THX–4 series Transceiver booklet comprising

Chapter 1: Foreword

Chapter 2: Performance Specifications

Chapter 3: Transceiver Overview

Chapter 4: System Module

Chapter 5: Display Module

Appendix to the Transceiver booklet covering a specific variant (ie THX–41/42/43) comprising:

Chapter 1: Foreword

Chapter 2: Transceiver THX–41/42/43 variant

Chapter 3: Quick Guide

PC Locals Service Software/NAM Programming Instructions and Servicing Information.

The accessory booklets comprise an overview; seven separate booklets covering those accessories deemed to be serviceable; and a booklet covering the remaining (non–serviceable) accessories.

Accessory Overview

LCH–2 Cigarette Lighter Charger

HFJ–2 Handsfree Junction Box

JBH–1 Cable Junction Box

BSH–1 Booster Kit

CHH–6 Desktop Charger

CHH–7 Handsfree Desktop Charger

PHF–2 Compact Handsfree Unit

Non–serviceable Accessories

Other booklets available are:

CARK30 Installation Guide

CARK31 Installation Guide

TACS System Overview

This section of the service manual (the THX–4 series Transceiver booklet) describes those areas of the THX–4 series handportable telephone which are common to all variants. This booklet includes performance specifications; a technical overview of the transceiver plus detailed descriptions of the main modules and associated parts lists.

IMPORTANT

This document is intended for use by qualified service personnel only.

Company Policy

Our policy is of continuous development; details of all technical modifications will be included with service bulletins.

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If any errors are found by the reader, NOKIA MOBILE PHONES Ltd should be notified in writing.

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Please send to:

Nokia Mobile Phones Ltd
After Sales Technical Documentation
PO Box 86
24101 SALO
Finland

Warnings and Cautions

Please refer to the phone's user guide for instructions relating to operation, care and maintenance including important safety information. Note also the following:

Warnings:

1. CARE MUST BE TAKEN ON INSTALLATION IN VEHICLES FITTED WITH ELECTRONIC ENGINE MANAGEMENT SYSTEMS AND ANTI–SKID BRAKING SYSTEMS. UNDER CERTAIN FAULT CONDITIONS, EMITTED RF ENERGY CAN AFFECT THEIR OPERATION. IF NECESSARY, CONSULT THE VEHICLE DEALER/MANUFACTURER TO DETERMINE THE IMMUNITY OF VEHICLE ELECTRONIC SYSTEMS TO RF ENERGY.
2. THE HANDPORTABLE TELEPHONE MUST NOT BE OPERATED IN AREAS LIKELY TO CONTAIN POTENTIALLY EXPLOSIVE ATMOSPHERES EG PETROL STATIONS (SERVICE STATIONS), BLASTING AREAS ETC.

3. OPERATION OF ANY RADIO TRANSMITTING EQUIPMENT, INCLUDING CELLULAR TELEPHONES, MAY INTERFERE WITH THE FUNCTIONALITY OF INADEQUATELY PROTECTED MEDICAL DEVICES. CONSULT A PHYSICIAN OR THE MANUFACTURER OF THE MEDICAL DEVICE IF YOU HAVE ANY QUESTIONS. OTHER ELECTRONIC EQUIPMENT MAY ALSO BE SUBJECT TO INTERFERENCE.

Cautions:

1. Servicing and alignment must be undertaken by qualified personnel only.
2. Ensure all work is carried out at an anti–static workstation and that an anti–static wrist strap is worn.
3. Ensure solder, wire, or foreign matter does not enter the telephone as damage may result.
4. Use only approved components as specified in the parts list.
5. Ensure all components, modules screws and insulators are correctly re–fitted after servicing and alignment. Ensure all cables and wires are repositioned correctly.

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